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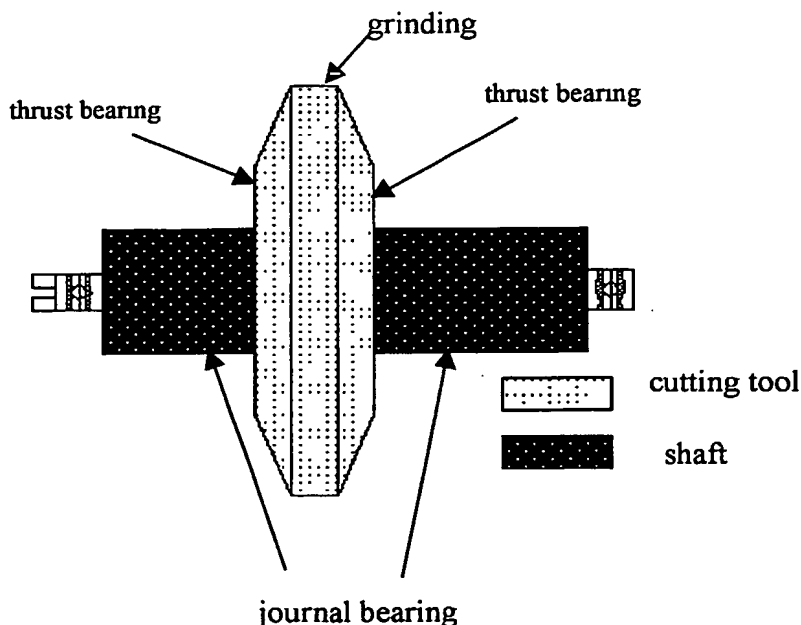
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(54) Title: A MONOLITHIC ROTATING TOOL



(57) Abstract: A solution is presented for high speed rotating devices, in particular cutting tools, whereby the said rotating device (1) is made monolithic with its shaft and the bearing system, needed to support it during rotation, uses the surfaces of the rotating device (1) as bearing surfaces. In the preferred embodiment, the fluid film bearing system includes two journal bearings (2,4) on both sides of the cutting tool and two thrust bearings (2,3), which use the faces of the cutting tool (1) as bearing surfaces

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

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X	US 5 795 139 A (SHINTOKU NORIYUKI ET AL) 18 August 1998 (1998-08-18) column 8, line 56 - line 64 column 10, line 9 - column 11, line 15 column 17, line 26-42	1-4, 12, 13, 16-22
Y	figures 1, 5A, 5B	7, 23, 25
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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